

I claim:

- 1    1.    A system for processing waste comprising:
  - 2        a.    a waste sludge comprising solid waste and liquid;
  - 3        b.    at least one geotextile container for filtering at least some of the liquid from the
  - 4        waste sludge;
  - 5        c.    at least one connector for transporting the waste sludge into the at least one
  - 6        geotextile container; and
  - 7        d.    a liquid reservoir for collecting the liquid filtered from the at least one geotextile
  - 8        container.
- 1    2.    The system of claim 1, wherein the system further comprises a waste reservoir for  
2        collecting the waste sludge and wherein the at least one connector transports the waste sludge  
3        from the waste reservoir and into the at least one geotextile container.
- 1    3.    The system of claim 1, wherein the at least one connector comprises a pipe.
- 1    4.    The system of claim 1, further comprising at least one regulator for controlling flow of  
2        the waste sludge into the at least one geotextile container.
- 1    5.    The system of claim 1, wherein the at least one regulator comprises a valve.
- 1    6.    The system of claim 1, wherein the at least one geotextile container comprises an at  
2        least partially liquid permeable material.
- 1    7.    The system of claim 1, wherein the material comprises fabric.
- 1    8.    The system of claim 6, wherein the at least one geotextile container comprises an inner  
2        layer and an outer layer of material.
- 1    9.    The system of claim 1, further comprising a barrier defining an area in which the at least  
2        one geotextile container may be positioned.

1    10.   The system of claim 1, further comprising a liner positioned under the at least one  
2    geotextile container.

1    11.   The system of claim 1, further comprising a three-dimensional drainage net positioned  
2    under the at least one geotextile container.

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1    12.   The system of claim 1, wherein the liquid reservoir is positioned substantially adjacent  
2    the at least one geotextile container.

1    13.   The system of claim 1, wherein the at least one geotextile container comprises a primary  
2    geotextile container and a secondary geotextile container and the at least one connector  
3    comprises a primary connector and a secondary connector, wherein the primary connector  
4    transports waste sludge into the primary geotextile container and wherein the secondary  
5    connector transports liquid filtered by the primary geotextile container into the secondary  
6    geotextile container.

1    14.   The system of claim 1, wherein the at least one geotextile container comprises at least  
2    two geotextile containers, wherein the system is adapted to simultaneously feed the waste  
3    sludge into the at least two geotextile containers.

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1    15.   The system of claim 1, wherein the at least one geotextile container is self-supporting.

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1    16.   The system of claim 1, further comprising:

2        at least one chemical conditioner for imparting a charge to a portion of the solid waste in  
3        the waste sludge;

4        at least one polymer carrying an opposite charge to that imparted by the at least one  
5        chemical conditioner to aid in coagulation of the solid waste in the waste sludge.

1    17.   A method of processing waste comprising:

2        a.      feeding waste sludge comprising solid waste and liquid into at least one  
3        geotextile container;

4        b.      removing at least some of the liquid from the waste sludge using the at least one  
5        geotextile container; and

6           c.       collecting the liquid removed from the waste sludge.

1     18.   The method of claim 17, wherein the waste sludge is fed into the at least one geotextile  
2    container through a connector.

1     19.   The method of claim 17, wherein removing at least some of the liquid comprises  
2    allowing the liquid to permeate through the geotextile container.

1     20.   The method of claim 17, wherein the at least one geotextile container comprises a  
2    primary and a secondary geotextile container and the waste sludge is fed into the primary  
3    geotextile container, wherein the method further comprises feeding the collected liquid into the  
4    secondary geotextile container.

1     21.   The method of claim 17, wherein the at least one geotextile container comprises at least  
2    two geotextile containers and the waste sludge is fed simultaneously into the at least two  
3    geotextile containers.

1     22.   The method of claim 17, further comprising controlling flow of the waste sludge into the  
2    at least one geotextile container.

1     23.   The method of claim 17 wherein the at least one geotextile container is self-supporting.

1     24.   The method of claim 17, further comprising:

2       adding at least one chemical conditioner for imparting a charge to a portion of the solid  
3    waste in the waste sludge to the waste sludge before feeding the waste sludge into the at least  
4    one geotextile container;

5       adding at least one polymer carrying an opposite charge to that imparted by the at least  
6    one chemical conditioner to aid in coagulation of the solid waste in the waste sludge to the  
7    waste sludge before feeding the waste sludge into the at least one geotextile container.

1     25.   A system of processing waste comprising:

2       a.       a waste sludge comprising solid waste and liquid;  
3       b.       a waste reservoir for collecting the waste sludge;

4           c.       at least one geotextile container for filtering at least some of the liquid from the  
5 waste sludge, wherein the at least one geotextile container comprises an at least partially liquid  
6 permeable material;

7           d.       at least one pipe for transporting the waste sludge from the waste reservoir and  
8 into the at least one geotextile container; and

9           e.       a liquid reservoir located substantially adjacent the at least one geotextile  
10 container for collecting the liquid filtered from the at least one geotextile container.